

# STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

## FIELD AUDIT

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If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

<b>Operator: AMEREN ILLINOIS COMPANY</b>	Operator ID#: 32513
<b>Inspection Date(s): 9/11/2012, 9/12/2012, 9/13/2012</b>	Man Days: 3
<b>Inspection Unit: Springfield</b>	
<b>Location of Audit: Springfield</b>	
<b>Exit Meeting Contact: Mark Mancewicz</b>	
<b>Inspection Type: Standard Inspection - Field Audit</b>	
<b>Pipeline Safety Representative(s): Charles Gribbins</b>	
<b>Company Representative to Receive Report: Michael Fuller</b>	
<b>Company Representative's Email Address: mfuller2@ameren.com</b>	

<b>Headquarters Address Information:</b>	300 Liberty Peoria, IL 61602 Emergency Phone#: Fax#:	
<b>Official or Mayor's Name:</b>	Ron Pate Phone#: (217) 424-6518 Email:	
<b>Inspection Contact(s)</b>	<b>Title</b>	<b>Phone No.</b>
Mark Mancewicz	Superintendent of Operations	

CUSTOMER METER & REGULATOR	Status
<b><u>Category Comment:</u></b>  <i>Customer meters were viewed at the following locations:</i> Security Bank 2 meters this location 430 E Monroe 4 meters East Monroe 3 meters 414A E Monroe 414 1/2 E Monroe 414B E Monroe Postal Office Monroe 213 5th Street 215 5th Street 217 5th Street Brick house leak on meter set Old Osco Building 2 meters 518 5th Street 5 meters foreign contact to meter set Prairie Archives Robbie's Restaurant Indian Hills Subdivision:	

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2409 Delaware  
2415 Delaware  
2417 Delaware  
2419 Delaware  
2421 Delaware  
2423 Delaware  
2425 Delaware  
2427 Delaware  
2429 Delaware  
2431 Delaware  
2433 Delaware  
2435 Delaware  
2437 Delaware  
2439 Delaware  
2422 Delaware  
2420 Delaware  
2416 Delaware  
2412 Delaware  
2408 Delaware

192.353(a)	Is the customer meter and regulator installed in a readily accessible location and protected from corrosion and other damage, including if installed outside a building, vehicular damage that may be anticipated?	<b>Satisfactory</b>
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**General Comment:**

*The operator's services appeared to be protected from corrosion and other damages and the meters were placed close to the residents to prevent vehicular damage.*

192.355(b)(1)	Is the customer regulator vent rain and insect resistant?	<b>Satisfactory</b>
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**General Comment:**

*The vent screens were inspected and found to be rain and insect resistant.*

192.355(b)(2)	Is the customer regulator vent located where gas from the vent escapes freely into the atmosphere and away from building openings?	<b>Satisfactory</b>
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**General Comment:**

*All meter set locations inspected were located where gas could vent freely into the atmosphere and away from building openings.*

192.355(b)(3)	Is the vent protected from damage caused by submergence in areas of flooding?	<b>Not Applicable</b>
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**General Comment:**

*In the areas inspected the operator does not have any meter sets located in an area prone to flooding.*

192.357(a)	Is the customer meter and regulator installed to minimize anticipated stresses upon connecting piping?	<b>Satisfactory</b>
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**General Comment:**

*Of the meters listed in the report it did not appear that there was any stress on the connecting piping.*

192.357(d)	Is a customer regulator that might release gas vented to the outside atmosphere?	<b>Satisfactory</b>
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**General Comment:**

*All customer regulators are located outside the structures and can vent safely to atmosphere*

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192.359(a)	Is the meter operating pressure within the allowable limits of the meter case rating?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The meters were found to have operating pressure of 5#, 10# 20 #, and 25# which is marked on the case of the meter.</i>		
192.365(a)	Is the service line valve upstream of the regulator or meter?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>At all locations the service line valve was found to be upstream of the regulator and meter set.</i>		
192.365(c)	Is the underground service line valve located in a curb box or standpipe that allows for ready operation?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>At the location of the customer meter inspections staff did not encounter any curb boxes or standpipes with the valves located in them.</i>		
192.727(d)	When service to the customer has been discontinued has the proper method been utilized to prevent unauthorized usage?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff noted at some location the when service to a meter was discontinued that a pin locking device was used to secure the lock wing on the meter set.</i>		
<b>CATHODIC PROTECTION</b>		<b>Status</b>
<b><u>Category Comment:</u></b> <i>At the following locations pipe to soil reading were obtained:  2409 Delaware -.540 copper composite riser  2415 Delaware 5/8" steel -1.025 volts  2417 Delaware PE  2419 Delaware -1.029 volts  2421 Delaware PE  2423 Delaware PE  2425 Delaware -1.02 Steel  2427 Delaware PE  2429 Delaware PE  2431 Delaware -1.02  2433 Delaware PE  2435 Delaware -1.02  2437 Delaware PE  2439 Delaware -1.02  2422 Delaware -1.01  2420 Delaware -1.02  2412 Delaware -.990  2408 Delaware -.970  2424 Delaware -1.02</i>		
192.463(a)	Is the applicable cathodic protection criteria contained in Appendix D of this part being followed?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The operator's distribution system is protected by anodes. This meets Appendix A, a negative (cathodic) voltage of at least 0.85 volt, with reference to a saturated copper-copper sulfate half cell. Determination of this voltage must be made with the protective current applied, and in accordance with sections II and IV of this appendix.</i>		

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192.465(a)	Were pipe to soil readings taken?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>See the general comment section above for the pipe to soil reading taken during the field audit.</i>		
192.465(b)	Were rectifier installations inspected?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>The operator does not have any rectifiers on the distribution system.</i>		
192.465(a)	Were isolated mains/services tested?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>During this inspection staff did not inspect any distribution system that contained isolated sections of main or isolated service lines.</i>		
192.465(c)	Were critical/non critical bonds tested?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>The operator's system does not contain critical/or non-critical bonds.</i>		
192.467(a)	Is electrical isolation provided by use of insulated meter spud, valve, union, or flange?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The operator uses insulating meter spuds and insulating service valves as a means of electrical isolation.</i>		
192.467(c)	Were casings installations tested for electrical isolation?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>Staff did not inspect any casing as part of this inspection.</i>		
192.479(a)	Is the above ground piping coated or painted as required?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Most of the above ground piping was painted or coated.</i>		
192.479(c)	Is the pipeline free of corrosion or pitting?	<b>Unsatisfactory</b>
<b><u>Issue Comment:</u></b> <i>During the field inspection conducted in the Springfield Service area staff found the following conditions associated with atmospheric corrosion;</i> <i>Regulating Station XS206, with some corrosion found at the soil to ground interface.</i> <i>In the Indian Hills Subdivision were found several risers with some type of disbanded coating on the risers. A review of the atlas page indicated there were numerous indications of some type action that needed to be taken in the area of atmospheric corrosion.</i> <i>In Springfield's downtown business district staff found a riser at 528 E Adams, meter number 03671781 that had severe atmospheric corrosion, on the riser just under the service valve.</i>		
<b>DAMAGE PREVENTION</b>		<b>Status</b>

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192.614	Does the operator have a valid notification of planned excavation activities?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>At the time of this inspection staff did not inspect any planned excavation activities.</i>		
ADM. CODE 265.40(a)	Did the operator complete the locating activities in the specified timeframe?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>At the time of this inspection staff did not inspect any planned excavation activities.</i>		
192.614(c)(5)	Were temporary markings made in accordance with the operator's Operation and Maintenance Manual?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>At the time of this inspection staff did not inspect any planned excavation activities.</i>		
192.707(a)(1)	Are line markers placed and maintained as close as practical over each buried main and transmission line located at each crossing of a public road and railroad?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The operator had placed line markers at various locations over the distribution lines. Line markers were verified at the regulator station of XS206 and several other locations on the operator's system.</i>		
192.707(a)(2)	Are line markers placed and maintained as close as practical over each buried main and transmission line located wherever necessary to identify the location of the transmission line or main to reduce the possibility of damage or interference?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The operator place line markers at various locations where it was necessary to identify the pipeline.</i>		
192.707(c)	Are line markers placed and maintained as close as practical over each buried main and transmission line located above ground?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Line markers must be placed and maintained along each section of a main and transmission line that is located above ground in an area accessible to the public.</i>		
192.707(d)(1)	Do the operator's line markers contain the following information: The following must be written legibly on a background of sharply contrasting color on each line marker: The word "Warning," "Caution," or "Danger" followed by the words "Gas (or name of gas transported) Pipeline" all of which, except for markers in heavily developed urban areas, must be in letters at least 1 inch (25 millimeters) high with ¼ inch (6.4 millimeters) stroke?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The line markers contain the following wording Warning or Danger and have lettering of at least 1 inch and 1/4" stroke.</i>		
192.707(d)(2)	Do the operator's line markers contain the following information: The following must be written legibly on a background of sharply contrasting color on each line	<b>Satisfactory</b>

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	marker: The name and phone number (including area code) of the operator where the operator can be reached at all times?	
<b><u>General Comment:</u></b> <i>The line markers are of contrasting colors of yellow and black, and contain a number that the operator can be contacted 24 hours a day.</i>		
<b>PRESSURE LIMITING AND REGULATING DEVICES (MECHANICAL)</b>		<b>Status</b>
<b><u>Category Comment:</u></b> <i>Staff observed a maintenance inspection of pressure station at Franklin Park; station #XS206. All Ameren Illinois procures were followed during the inspection of the station.</i>		
192.739(a)(4)	Was each pressure limiting station, relief device (except rupture discs), and pressure regulating station and its equipment subjected at intervals not exceeding 15 months, but at least once each calendar year, to inspections and tests to determine that it is properly installed and protected from dirt, liquids, or other conditions that might prevent proper operation.?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The following station was inspected for the following items: protection from dirt, liquids that could prevent proper operation.</i>		
192.317(b)	Is each above ground transmission line or main protected from accidental damage by vehicular traffic or other similar causes?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The operator's station XS206 was protected from vehicular damage by distance from the road and fencing.</i>		
192.741(a), 192.741(c)	Were telemetering and/or recording gauges inspected for abnormally high or low pressure indications?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>This station XS206 does not have a pressure chart recorder or a recording gauge. The 90 psi line does have chart records located at other locations.</i>		
192.743(a)	Is overpressure protection provided on the pipeline down stream of the take point?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>The over pressure protection for this line is provided by the transmission side of Ameren Illinois.</i>		
192.199(d)	Did the pressure relief or pressure limiting devices inspected to determine if the support was made of noncombustible material?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>This station only has a token relief device and it was tested during the inspection. During the inspections the relief device would not reset and the relief device had to be disassembled and corrective action taken to remove debris from the seat area, wants this was done the relief device was put back into service and retested, after retesting the relief device was put back into service.</i>		
192.199(e)	Did the pressure relief or pressure limiting devices inspected to determine if the discharge stacks, vents, or outlet ports were designed to prevent accumulation of water, ice, or snow, and located where gas can be discharged into the atmosphere without undue hazard?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		

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<i>Station XS206 is a monitor operator set and has not relief devices.</i>		
192.199(h)	Was each valve, designed to isolate the system under protection from its source of pressure, secured to prevent unauthorized operation of any stop valve that will make the pressure relief valve or pressure limiting device inoperative?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>Without the relief device there is no stop valve to secure.</i>		
<b>VALVE MAINTENANCE</b>		<b>Status</b>
192.747(a)	Were the valves inspected accessible?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Inlet and outlet valves were checked on station XS206 and a valve at Addoff &amp; Stevenson Drive.</i>		
<b>ODORIZATION OF GAS</b>		<b>Status</b>
192.625(a)	Was the odor intensity level readily detectable at or below 1/5th LEL?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff along with Mr. Burk, Mr. Steiner and I observed an odor intensity test in the Indian Hills Subdivision. The odor was detectable at .24% gas and air mixture.</i>		
192.625(e)	Was the Odorization equipment and tank levels inspected?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>Staff did not inspect the odorization equipment.</i>		
192.625(f)	Was the operator's equipment calibrated as required?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff did inspect the operator's equipment for calibration the last calibration date was 5/24/2012. The unit identification number was SN21383.</i>		
<b>TRANSMISSION</b>		<b>Status</b>
192.179(b)(1)	Are transmission valves protected from tampering or damage?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>Staff was inspecting the distribution system not the transmission system.</i>		
192.745(a)	Were the valves inspected accessible?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>Staff was inspecting the distribution system not the transmission system.</i>		
192.719(a)	Is pre-tested transmission pipe inventory maintained for use in an emergency?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>Staff was inspecting the distribution system not the transmission system.</i>		
<b>MARKING OF MATERIAL</b>		<b>Status</b>

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192.63(a)	Does the operator's components and pipe contain the required markings?	Not Checked
<b><u>General Comment:</u></b> <i>Staff was inspecting the distribution system and did not check the operator's components or piping inventory.</i>		
<b>OPERATOR QUALIFICATION</b>		<b>Status</b>
Was a PHMSA Form 15 Operator Qualification Field Inspection Protocol Form completed?		Yes
<b><u>General Comment:</u></b> <i>Staff conducted several Operator Qualifications using PHMSA form 15, see those separate inspection checklist.</i>		



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